

CLAIMS

What is claimed is:

1. A liquid crystal device having a first substrate and a second substrate which have electrodes and alignment layers formed on surfaces thereof and are attached to each other with a liquid crystal sealed in therebetween,
5 comprising: a first conductive member formed on a surface of a peripheral portion of the first substrate; a second conductive member formed on a portion on the second substrate that opposes the first conductive member; and a vertical conducting portion having a conductive material
10 containing conductive particles for conductive connection between the first conductive member and the second conductive member, wherein the alignment layer is formed such that it extends to cover the surface of at least one of the first conductive member and the second conductive
15 member, and the conductive particles extend through the alignment layer to be in conductive contact with the first conductive member and the second conductive member.

2. The liquid crystal device according to Claim 1,
wherein the alignment layer that covers at least one of the
first conductive member and the second conductive member is
5 formed on an entire surface of an area of a substrate
surface where the first substrate and the second substrate
oppose each other, except a place where the conductive
particles are disposed.

3. The liquid crystal device according to Claim 1,
wherein the conductive material is a sealing material for
sealing a liquid crystal in between the first substrate and
the second substrate.

4. A liquid crystal device having a first substrate and a second substrate which have electrodes and alignment layers formed on surfaces thereof and are attached to each other with a liquid crystal sealed in therebetween, comprising: a first conductive member that is formed on a surface of a peripheral portion of the first substrate and electrically connected with the electrode; a second conductive member that is formed on a portion on the second substrate opposing the first conductive member and electrically connected with the electrode; and a vertical conducting portion having a conductive material containing conductive particles for electrically conductive connection between the first conductive member and the second conductive member, wherein the alignment layer is provided on a surface of at least one of the first conductive member and the second conductive member, except a place where the conductive particles are provided, and the conductive particles are in electrically conductive contact with the first conductive member and the second conductive member.

5. A manufacturing method for a liquid crystal device having a first substrate and a second substrate which have electrodes and alignment layers formed on surfaces thereof and are attached to each other with a liquid crystal sealed in therebetween, and comprising a first conductive member formed on a surface of a peripheral portion of the first substrate, a second conductive member formed on a portion on the second substrate that opposes the first conductive member, and a vertical conducting portion having a conductive material containing conductive particles for electrically conductive connection between the first conductive member and the second conductive member, whereby the alignment layer is extendedly formed to cover the surface of at least one of the first conductive member and the second conductive member, and the first substrate and the second substrate are attached to each other via the conductive material and compression-bonded thereby to cause the conductive particles to break through the alignment layer to be in electrically conductive contact with the first conductive member and the second conductive member.

6. The manufacturing method for a liquid crystal device according to Claim 5, wherein, in a step for extendedly forming the alignment layer to cover at least one of the first conductive member and the second conductive member, the alignment layer is formed on an entire area of the surface where the first substrate and the second substrate oppose each other.

7. The manufacturing method for a liquid crystal device according to Claim 5, wherein the conductive material is used as a sealing material for sealing a liquid crystal between the first substrate and the second substrate.